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CAUTION: Some displays of the LT field are extremely long. Enter NEWS FILE at the arrow prompt for more information.

The Indexing Template (TD) field is available for some records starting with 940901/ED. Enter HELP TEMPLATE at an arrow prompt (=>) for information on how to use this field.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (catalyst (1) (nickel or molybdenum or cobalt or tungsten) (1) nitrogen)/lt  
98039 CATALYST/LT  
21740 NICKEL/LT  
15852 MOLYBDENUM/LT  
17397 COBALT/LT  
9877 TUNGSTEN/LT  
49465 NITROGEN/LT  
L1 1059 CATALYST (1) (NICKEL OR MOLYBDENUM OR COBALT OR TUNGSTEN) (1)  
NITROGEN/LT

=> s hydrocracking, ct  
L2 9801 HYDROCRACKING/CT

=> s L1 and L2  
L3 33 L1 AND L2

=> d 1-23

L3 ANSWER 1 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 2001:15243 ENCOMPAT;ENCOMPAT2  
DI P000121489  
TI Filtering medium for chemical reactors, comprises ceramic filter units  
having openings comprising ellipses or trisoids  
IN GLOVER J N  
PA GLOVER J N  
PI US 2001015336 20010613  
AI US 1998-97235 19980529  
US 1999-320950 19990527  
FRAI US 1999-320950 19990527  
US 1998-97235 19980529  
OS DERWENT 2001579265

L1 ANSWER 2 OF 3: ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 2001:5451 ENCOMPAT;ENCOMPAT2  
DI P000107072  
TI Catalyst for hydrodesulfuration and hydrogenation of gasoil cuts including  
sulfur and aromatics comprises a group VIB nitride phase and phosphorus  
IN DIEHL F; DIEGA M G; KASOTELAN S; MANOLI J M; PERES R P; POTVIN C  
PA INST FRANCAIS DU PETROLE  
PI FR 2798073 20010309  
AI FR 1999-11006 19990901  
FRAI FR 1999-11006 19990902  
OS DERWENT 2001143533

L3 ANSWER 3 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
 AN 2001:2003 ENCOMPAT;ENCOMPAT2  
 DN P200101941  
 TI Catalyst support useful in preparation of catalysts for treatment and conversion of hydrocarbons, comprises group IVB metal oxide with incorporation of silica  
 IN BISSON M; DA SILVA P; DECKER S; DENAYER J; MILAN A  
 PA TOTAL RAFFINAGE DISTRIBUTION SA  
 PI EP 1053755 20001121  
 DS AL; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LT; LU; LV; MC; MK; NL; PT; RO; SE; SI  
 AI EP 2000-491272 20000510  
 PRAI EP 1999-6183 19990118  
 OS DERWENT 2001063973  
 LA French

L3 ANSWER 4 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
 AN 2000:7857 ENCOMPAT;ENCOMPAT2  
 DN P200007300  
 TI Activation of hydroconversion catalyst in presence of sulfur and nitrogen compounds  
 IN GEORGE M N; HARLE V; KASZTELAN S; MIGNARD S  
 PA INST FRANCAIS DU PETROLE  
 PI FR 2778349 19991111  
 AI FR 1998-5741 19980506  
 PRAI FR 1998-5741 19980506  
 OS DERWENT 2000026026

L3 ANSWER 5 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
 AN 2000:7351 ENCOMPAT;ENCOMPAT2  
 DN P200013255  
 TI Microporous oxide material with micro- and meso-porous properties and specific structure, for use in catalysis, is prepared by synthesis of gel, hydrothermal treatment, and treatment with organic compound with proton acceptor group  
 IN CHICA LARA A; COMA CANOS A; DIAZ MORALES U; FORNES SEGUI V  
 PA CONSEJO SUPERIOR INVESTIGACIONES CIENTIF; UNIV VALENCIA POLITECNICA  
 PI WO 2000024673 20000504  
 DS EP; CA; CN; JP; MX; NO; US; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
 AI WO 1999-ES344 19991026  
 PRAI EP 1998-0183 19981027  
 OS DERWENT 2000350648  
 LA Spanish

L3 ANSWER 6 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
 AN 2000:2430 ENCOMPAT;ENCOMPAT2  
 DN P200003949  
 TI Single-step method for mild hydrocracking of petroleum raw materials  
 IN IBISOVA K N; MOTOV M V; SMIRNOV V K  
 PA KATAKHM CO LTD  
 PI RU 2124042 19981227  
 AI RU 1997-118795 19971117  
 PRAI RU 1997-118795 19971117  
 OS DERWENT 20000204273

L3 ANSWER 7 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
 AN 1998:4965 ENCOMPAT;ENCOMPAT2  
 DN 9810965  
 TI Petrochemical residue hydrogenation - using molybdenum catalyst promoted with compounds of manganese, cobalt and nickel in the presence of inorganic acids  
 IN IMAROV A K; KHADZIEV S N; SUVOROV YU P  
 PA GPOZN OIL INST  
 PI RU 2037523 19970810  
 AI RU 1993-16181 19930409

PRAI RU 1933-18181 19930409  
OS DEFWENT 98177501

L3 ANSWER 8 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 97:11598 ENCOMPAT;ENCOMPAT2  
DN 9712590

TI Trioctahedral phyllosilicate based catalyst and hydroconversion of petroleum fraction - consists of a support containing matrix, trioctahedral phyllosilicate containing fluprine, zeolite and catalytic element

IN BENAZZI E; MIGNARD S  
PA INST FRANCAIS DU PETROLE  
PI EP 794005 19970910  
DS DE; ES; FR; IT; NL  
AI EP 1997-400488 19970304  
PFAI FR 1996-2910 19960103  
OS DEFWENT 97437295  
LA French

L3 ANSWER 9 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 97:6062 ENCOMPAT;ENCOMPAT2  
DN 9711304

TI Catalyst for hydro-isomerisation of hydrocarbon feed contg. sulphur and nitrogen - contg. mixt. of matrix and support, pref. zeolite, each impregnated with nickel, cobalt or iron, with palladium, platinum, ruthenium or rhodium and with matrix contg. tungsten or molybdenum

IN PRADA R; REYES E; ROMERO Y; TEJADA J; TORREALBA M  
PA INTEVEP SA  
PI US 5612073 970318  
AI US 1994-367405 941230  
PFAI US 1994-367405 941230  
OS DEFWENT 97191133

L3 ANSWER 10 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 95:1682 ENCOMPAT;ENCOMPAT2  
DN 9510452

TI Hydrocracking process - with a catalyst comprising hydrogenation component, zeolite beta and a pillared clay.

IN OCCELLI M L  
PA UNION OIL CO CALIFORNIA  
PI US 5374342 941220  
AI US 1991-757837 910911  
PFAI US 1991-757837 910911  
OS DEFWENT 95035994

L3 ANSWER 11 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 94:11765 ENCOMPAT;ENCOMPAT2  
DN 9412902

TI Titania-bound molecular sieve catalyst prepn. - by calcining shaped mixt. of e.g. zeolite, low acidity titanium oxide binder and aq. slurry of titanium oxide hydrate

IN TIMKEN H K C  
PA MOBIL OIL CORP  
PI US 5352644 941004  
AI US 1993-112501 930829  
PFAI US 1993-112501 930829  
OS DEFWENT 94316205

L3 ANSWER 12 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 93:4423 ENCOMPAT;ENCOMPAT2  
DN 9311243

TI Amorphous metal prepn. - by ultrasonic irradiation of volatile organometallic cpd. or inorganic cpd., useful as heterogeneous catalyst or soft ferro-magnet

IN CHOE S; CICHOWLAS A A; GRINSTAFF M E; SUSLICK K S  
PA RESEARCH CORP TECHNOLOGIES INC  
PI WO 9305877 930401

DS AU; CA; JP; KP; AT; BE; C DE; DK; ES; FR; GB; GR; IE; IT U; MC; NL; SE  
 AI WO 1992-US8123 920925  
 PRAI US 1991-755647 910925  
 OS DEFWENT 93117298  
 LA English

L3 ANSWER 13 OF 33 ENCOMPAT COPYRIGHT 2001 DEFWENT/ELSEVIER  
 AN 91:8249 ENCOMPAT;ENCOMPAT2  
 DN 9112590  
 TI Hydrotreatment catalyst - comprises Gp. VIb and Gp. VIII metals on zeolite and alumina support of specified particle and pore size  
 PA Cosmo Oil Co Ltd; Petroleum Energy Cent  
 FI EP 449144 911002  
 PRAI JP 1990-85967 900330  
 OS DEFWENT 91189600

L3 ANSWER 14 OF 33 ENCOMPAT COPYRIGHT 2001 DEFWENT/ELSEVIER  
 AN 90:3995 ENCOMPAT;ENCOMPAT2  
 DN 9012084  
 TI Hydrocarbon hydrogenation catalyst - consists of titanium nitride support impregnated with nickel nitrate aq. soln. before drying and sintering  
 PA Agency of Ind Sci Tech; Sumitomo Metal Mini KK  
 FI JP 2194841 900801  
 PRAI JP 1989-14120 890125  
 OS DEFWENT 90178457

L3 ANSWER 15 OF 33 ENCOMPAT COPYRIGHT 2001 DEFWENT/ELSEVIER  
 AN 86:564 ENCOMPAT;ENCOMPAT2  
 DN 86101203  
 TI HYDROCRACKING CARBONACEOUS MATERIAL - BY HEATING RAPIDLY AT SPECIFIC TEMP. AND PRESSURE IN ATMOS. OF GASEOUS MIXT. OF HYDROGEN AND METHANE OPT. WITH GP/VI OR GP/VIII METAL  
 PA ASAHI CHEMICAL IND KK  
 FI JP 60186536 850924  
 PRAI JP 1984-41352 840306  
 OS DEFWENT 85273797

L3 ANSWER 16 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER  
 AN 85:2182 ENCOMPAT;ENCOMPAT2  
 DN 8511676T  
 TI SHELL CATALYST PROD. WITH REPRODUCIBLE ADHERENT CATALYST LAYER - USING INTERMEDIATE LAYER OF OXIDE, NITRIDE OR CARBIDE PHYSICALLY DEPOSITED FROM VAPOUR ONTO SUPPORT  
 PA BATTELLE-INST EV  
 FI DE 3344343  
 OS DEFWENT 85147313

L3 ANSWER 17 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER  
 AN 85:2181 ENCOMPAT;ENCOMPAT2  
 DN 8511676S  
 TI SHELL CATALYST PROD. WITH REPRODUCIBLE ADHERENT CATALYST LAYER - USING INTERMEDIATE LAYER OF OXIDE, NITRIDE OR CARBIDE PHYSICALLY DEPOSITED FROM VAPOUR ONTO SUPPORT  
 PA BATTELLE-INST EV  
 FI DE 3344343  
 OS DEFWENT 85147313

L3 ANSWER 18 OF 33 ENCOMPAT COPYRIGHT 2002 DEFWENT/ELSEVIER  
 AN 85:2180 ENCOMPAT;ENCOMPAT2  
 DN 8511676E  
 TI SHELL CATALYST PROD. WITH REPRODUCIBLE ADHERENT CATALYST LAYER - USING INTERMEDIATE LAYER OF OXIDE, NITRIDE OR CARBIDE PHYSICALLY DEPOSITED FROM VAPOUR ONTO SUPPORT  
 PA BATTELLE-INST EV  
 FI DE 3344343  
 OS DEFWENT 85147313

L3 ANSWER 19 OF 33 ENCOMPPA COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 84:3293 ENCOMPPAT;ENCOMPPAT2  
DN 8415193  
TI THERMAL HYDROCRACKING OF COAL - BY RAPID HEATING IN PRESENCE OF GP. VIII  
METAL CPD.  
PA ASAHI KASEI KOGYO  
PI EP 93501 831109  
DS DE; FF; GB  
PRAI JP 1982-130444 820718  
JP 1982-50406 820329  
OS DERWENT 83816159

L3 ANSWER 20 OF 33 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 84:3059 ENCOMPPAT;ENCOMPPAT2  
DN 8412661  
TI REFORMING CATALYST COMPRISING MIXED MOLYBDENUM TUNGSTEN CARBIDE - IN BULK  
OR SUPPORTED FORM IS INSENSITIVE TO SULPHUR AND CHEAP  
PA EUROTUNGSTENE FOUDR  
PI EP 120798 841003  
DS DE; GB; NL  
PRAI FR 1983-5480 830325  
OS DERWENT 84045290

L3 ANSWER 21 OF 33 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 84:1823 ENCOMPPAT;ENCOMPPAT2  
DN 8412399  
TI CRACKING CARBONACEOUS MATERIAL USING CATALYST OF CHROMIUM CONTG. CPD. - AND  
IRON, COBALT OR NICKEL CONTG. CPD. INVOLVES HEATING RAPIDLY UP TO 900  
DEG.C, THEN HEATING IN HYDROGEN ATMOS. UNDER PRESSURE  
PA ASAHI CHEMICAL IND KK  
PI JP 5912392 840716  
PRAI JP 1983-027863 831128  
OS DERWENT 84210551

L3 ANSWER 22 OF 33 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 84:2279 ENCOMPPAT;ENCOMPPAT2  
DN 8411762  
TI CONVERSION OF HEAVY OIL E.G. SHALE OIL TO LIGHTER OIL - BY EMULSIFYING OIL  
AND HYDROGENATING AT 380 TO 550 DEG.C  
PA ASAHI CHEMICAL IND KK  
PI JP 59075986 840403  
PRAI JP 1982-186148 831025  
OS DERWENT 84143611

L3 ANSWER 23 OF 33 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 84:2082 ENCOMPPAT;ENCOMPPAT2  
DN 8411491  
TI LIGHT HYDROCARBON OIL MFR. FROM HEAVY OIL - BY REACTION WITH HYDROGEN IN  
PRESENCE OF AT LEAST 1 TRANSITION METAL CPD. AND SULPHUR OR SULPHUR CPD  
PA ASAHI CHEMICAL IND KK  
PI JP 59051981 840326  
PRAI JP 1981-162901 820913  
OS DERWENT 84111251

L3 ANSWER 24 OF 33 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 84:941 ENCOMPPAT;ENCOMPPAT2  
DN 8410186  
TI THERMAL DECOMPOSITION OF CARBONACEOUS SUBSTANCE - IN PRESENCE OF GP. VIII  
HALIDE, SULPHATE, NITRATE AND/OR PHOSPHATE  
PA ASAHI CHEMICAL IND KK  
PI JP 58167682 831003  
PRAI JP 1982-50406 820329  
OS DERWENT 83812079

L3 ANSWER 25 OF 33 ENCOMPPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 82:459 ENCOMPPAT;ENCOMPPAT2  
DN 8210039

TI HIGH-SURFACE-AREA CATALYST SUPPORT PROD. - BY WETTING IN CORE THEN  
APPLYING POWDERED COATING, DRYING AND CALCINING  
PA STANDARD OIL CO OHIO  
PI US 4293449 811005  
PPAI US 1980-176215 800807  
OS DERWENT 8179557D

L3 ANSWER 26 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER  
AN 80:4533 ENCOMPAT;ENCOMPAT2  
DN 80515185  
TI POLYMERIC SOLUBLE HYDROGENATION CATALYST - CONTG. IRON, COBALT, NICKEL OR  
PLATINUM GP. METAL AS COVALENT OR COORDINATION CPD. WITH SOLUBLE POLYMER.  
EA HEYL + CO  
PI EP 8407 800305  
PPAI DE 1979-2918940 790510  
835943 790817  
OS DERWENT 8016847C

L3 ANSWER 27 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER  
AN 79:338 ENCOMPAT;ENCOMPAT2  
DN 7910485  
TI INTERCALATION SMECTIC ALUMINA USEFUL AS CATALYST AND ADSORBENT - CONTG.  
METAL OXIDE OR POLYMERIC METAL COMPLEX BETWEEN LAYERS  
EA GRACE W F + CO  
PI DE 2825769 791214  
PPAI US 1978-885408 790319  
805672 770613  
OS DERWENT 7891762A

L3 ANSWER 28 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER  
AN 78:164 ENCOMPAT;ENCOMPAT2  
DN 7810240  
TI LUBRICATING OIL PREPD. BY HYDROCRACKING SLACK WAX - USING CATALYSTS  
PRETREATED WITH NITROGEN CPDS  
EA SHELL INTERNATIONALE RESEARCH MAATSC  
PI NL 7604955 771114  
PPAI NL 1976-4955 760510  
OS DERWENT 7785974Y

L3 ANSWER 29 OF 33 ENCOMPAT COPYRIGHT 2001 DERWENT/ELSEVIER  
AN 77:521 ENCOMPAT;ENCOMPAT1  
DN 7710745  
TI CONVERSION OF ASPHALTENIC HYDROCARBON FEEDS - WITH CATALYST IMPREGNATED  
WITH ORGANIC NITROGEN CPD.  
EA UOP INC  
PI US 4005007 770125  
PPAI US 1975-599562 750728  
OS DERWENT 7710745Y

L3 ANSWER 30 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 75:5366 ENCOMPAT;ENCOMPAT2  
DN 7551288  
TI CATALYTIC COMPLEXES CONTG. PHOSPHORUS AND SILICON-FOR USE IN POLYMSN,  
ISOMERISN., HYDROGENATION AND HYDROSILYLATION PROCESSES  
EA DOW CORNING LTD  
PI US 3856837 741224  
PPAI US 1973-328566 730201  
OS DERWENT 7501860W

L3 ANSWER 31 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 75:1571 ENCOMPAT;ENCOMPAT2  
DN 7512281  
TI RESIDUAL OILS HYDROREFINING CATALYST - IS ADDITIONALLY LOADED WITH  
ADSORBED NITROGEN TO IMPROVE ACTIVITY  
PA UNIVERSAL OIL PRODUCTS CO  
PI US 3909450 750930  
PPAI US 1973-428280 731226

OS DERWENT 7568901W

L3 ANSWER 32 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 74:95 ENCOMPAT;ENCOMPAT2  
DN 7410270  
TI LUBRICATING OILS  
PA CHEVRON RESEARCH CO  
PI DE 2224859 731129  
PRAI DE 1972-2224859 729520  
OS DERWENT 7376954U

L3 ANSWER 33 OF 33 ENCOMPAT COPYRIGHT 2002 DERWENT/ELSEVIER  
AN 71:3237 ENCOMPAT;ENCOMPAT2  
DN 7103068  
TI A HYDROCRACKING CATALYST IS PREPARED  
PA SHELL OIL CO; VAN DYKE R E  
PI US 3567654 710302  
PRAI 475870 650729